

Long-Lasting Brightness



Visually powerful,
wide-screen
image displays.

Panasonic's new permanent-installation LCD projector, the PT-FW100NT, employs new and original Panasonic technologies like the Auto Rolling Filter (ARF) for longer-lasting performance. The result is a line of advanced projectors that maintain high brightness. Functions like Lens Shift and the 2x zoom also make the new models easy to use when mounted to a ceiling, on a shelf. This high-performance model is perfect for either new or replacement projector use.

Auto Rolling Filter (ARF)

The PT-FW100NT features the Micro Cut Filter, a high-efficiency electrostatic filter. The used section of the filter is periodically wound into the casing, so top filtering performance is continually maintained. The auto rolling filter combines with a totally re-engineered airflow path and a hermetic, dust-free optical system design to assure that the air inside the projector is clean at all times. This minimizes any brightness loss due to dust accumulation.



An ARF unit featuring the Micro Cut Filter

3,000 lumens

1,280 x 800 (WXGA)

Market introduction: 3rd quarter of 2007

Advanced technologies help maintain superior brightness

- Auto Rolling Filter (ARF) and anti-dust design
- Panasonic's new lamp drive system for optimal lamp performance
- Daylight View 3 enhances sensory brightness and contrast*

Wide screen and wireless function for greater versatility

- Wide aspect-ratio screen with Side-by-Side function
- Easy wireless projection with multiple PC connection

Convenient features for fixed installation

- H/V lens shift and 2x zoom for flexible installation
 A 120-inch image can be projected from distances between 3.5 m/11.5 feet and 7.1 m/23.3 feet.
- Wired LAN: Web browser control/monitoring, e-mail message alert and PJLink™ compatibility
- Direct power off
- Easy lamp replacement from the rear
- Abundant connection terminals
- Easy-to-use remote control with laser pointer

* There is no actual change in the rated brightness or contrast ratio.



Specifications (Tentative)

Power supply	100–240 V AC, 50/60 Hz
Power consumption	330 W (Approx. 3.5 W in standby mode with fan stopped)
LCD panel	
Panel size	0.74" (18.8 mm) diagonal (16:10 aspect ratio)
Display method	Transparent LCD panel (x 3, R/G/B)
Drive method	Active matrix
Pixels	1,024,000 (1,280 x 800) x 3, total of 3,072,000 pixels
Pixel configuration	Stripe
Lens	Manual zoom (1:1–1:2), manual focus, F 1.7–2.6, f 21.6–43.0 mm
Lamp	250 W UHM™ lamp
Projection size	33–300 inches/838–7,620 mm diagonally (16:10 aspect ratio)
Colors	Full color (16,777,216 colors)
Brightness	3,000 lumens
Resolution (RGB)	1,280 x 800 pixels (1,600 x 1,200 pixels with compression)
Scanning frequency	
RGB	Horizontal: 15–91 kHz, Vertical: 50–85 Hz
YPbPr	480i (525i): fh 15.75 kHz; fv 60 Hz 576i (625i): fh 15.63 kHz; fv 50 Hz 480p (525p): fh 31.5 kHz; fv 60 Hz 576p (625p): fh 31.25 kHz; fv 50 Hz 720/60p (750/60p): fh 45 kHz; fv 60 Hz 720/50p (750/50p): fh 37.5 kHz; fv 50 Hz 1080/60i (1125/60i): fh 33.75 kHz; fv 60 Hz 1080/50i (1125/50i): fh 28.125 kHz; fv 50 Hz
S-Video/Video	NTSC, NTSC4.43, PAL-M, PAL60: fh 15.75 kHz; fv 60 Hz PAL, SECAM, PAL-N: fh 15.63 kHz; fv 50 Hz
Optical axis shift*1	Vertical: ±51%, horizontal: ±24%
Keystone correction range	Vertical: ±30°
On-screen menu	17 languages: English, French, German, Spanish, Italian, Korean, Russian, Chinese, Japanese, Swedish, Norwegian, Danish, Portuguese, Polish, Hungarian, Czech, and Thai

Installation	Front/rear ceiling/desk (menu selection)
Built-in speakers	4 cm (round), x 1, 3.0 W (monaural) output power
Terminals	
COMPUTER 1 IN	D-sub HD 15-pin x 1
COMPUTER 2 IN/COMPUTER 1 OUT	D-sub HD 15-pin x 1 (input/output selectable using on-screen menu)
COMPONENT IN	RCA pin x 3
VIDEO IN	RCA pin x 1
S-VIDEO IN	Mini DIN 4-pin x 1
AUDIO IN (COMPUTER 1)	M3 (stereo) x 1
AUDIO IN (COMPUTER 2)	M3 (stereo) x 1
AUDIO IN (COMPONENT/VIDEO/S-VIDEO)	RCA pin (L, R) x 1
AUDIO OUT	M3 (stereo) x 1 (variable)
SERIAL	D-sub 9-pin x 1 (RS-232C)
REMOTE	D-sub 9-pin x 1
LAN	RJ-45 x 1, 10BASE-T/100BASE-TX/1000BASE-T 2 m (6'7")
Power cord length	2 m (6'7")
Cabinet material	Moulded plastic (ABS/PC)
Dimensions (W x H x D)*2	432 x 124.5 x 319 mm (17" x 4-29/32" x 12-9/16")
Weight	6.2 kg (13.7 lbs.)
Operating environment	
Temperature	0°–40°C (32°–104°F)
Humidity	20%–80% (no condensation)
Wireless LAN	
Standard	IEEE802.11b/g
Operation range*3	Approx. 30 m (98'5")
Wireless Remote Control Unit	
Power supply	3 V DC (AA battery x 2)
Operation range*3	Approx. 10 m (32.8 feet) when operated from directly in front of the signal receptor
Dimensions (W x H x D)	48 x 163 x 24.5 mm (1-7/8" x 6-13/32" x 31/32")
Weight	145 g (5.1 oz) (including batteries)
*1: Shift range is limited during simultaneous horizontal and vertical shifting.	
*2: Including protruding parts.	
*3: Operation range differs depending on the environment.	

Specifications may change without prior notice.

Supplied Accessories

- Power cord
- Wireless remote control
- Batteries for remote control
- Wireless Manager ME 4.0 (CD-ROM)
- Safety wire rope

Optional Accessories

- ET-LAF100 Replacement lamp unit
- ET-RFF100 Replacement filter unit
- ET-PKF100H Ceiling mount bracket for high ceilings
- ET-PKF100S Ceiling mount bracket for low ceilings

To use wireless functions, a PC is required that meets the conditions given below:

- OS:** Microsoft® Windows® 2000 Professional, Windows® XP Professional, Windows® XP Home Edition
- CPU:** Intel® Pentium® III or higher, or other compatible processor (1 GHz or higher is recommended).
- Memory:** 256 MB or more
- Free hard disk space:** 60 MB or more
- CD-ROM drive:** CD-ROM drive or DVD drive
- Wireless LAN:** IEEE 802.11b/g compatible (built-in wireless LAN system or external IEEE 802.11b/g LAN card must be installed and running normally.)
- NOTE:** Some IEEE 802.11g/b wireless LAN may not allow connection to the projector.
- Wired LAN connector:** RJ-45
- NOTE:** Use Category 5e (or higher) cables for 1000BASE-T connection.

Visit the Projectors Global Web Site shown below for the latest information.

NOTES ON USE

- The projector uses a high-voltage mercury lamp that contains high internal pressure. This lamp may break, emitting a large sound, or fail to illuminate, due to impact or extended use. The length of time that it takes for the lamp to break or fail to illuminate varies greatly depending on individual lamp characteristics and usage conditions.
- The brightness of the lamp will gradually decrease with use.
- The projector includes consumable parts. The frequency of replacement for the lamp and other consumable parts will increase if the projector is subjected to extended, continuous use. For details, please consult a service representative.

Projection Distance (16:9)

Project size (diagonal)	Projection distance (L)		Height from the edge of screen to center of lens (H)
	Min (wide)	Max (telephoto)	
0.84 m / 33"	– / –	1.9 m / 6.2'	0 – 0.24 m / 0 – 0.8'
1.02 m / 40"	1.2 m / 3.9'	2.3 m / 7.5'	0 – 0.28 m / 0 – 0.9'
1.27 m / 50"	1.5 m / 4.9'	2.9 m / 9.5'	0 – 0.36 m / 0 – 1.2'
1.52 m / 60"	1.7 m / 5.6'	3.5 m / 11.5'	0 – 0.43 m / 0 – 1.4'
1.78 m / 70"	2.0 m / 6.6'	4.1 m / 13.5'	0 – 0.50 m / 0 – 1.6'
2.03 m / 80"	2.3 m / 7.5'	4.7 m / 15.4'	0 – 0.57 m / 0 – 1.9'
2.29 m / 90"	2.6 m / 8.5'	5.3 m / 17.4'	0 – 0.64 m / 0 – 2.1'
2.54 m / 100"	2.9 m / 9.5'	5.9 m / 19.4'	0 – 0.71 m / 0 – 2.3'
3.05 m / 120"	3.5 m / 11.5'	7.1 m / 23.3'	0 – 0.85 m / 0 – 2.8'
3.81 m / 150"	4.4 m / 14.4'	8.8 m / 28.9'	0 – 1.07 m / 0 – 3.5'
5.08 m / 200"	5.9 m / 19.4'	11.8 m / 38.7'	0 – 1.42 m / 0 – 4.7'
6.35 m / 250"	7.4 m / 24.3'	14.7 m / 48.2'	0 – 1.78 m / 0 – 5.8'
7.62 m / 300"	8.9 m / 29.2'	17.7 m / 58.1'	0 – 2.14 m / 0 – 7.0'

Panasonic

Projectors Global Web Site
<http://panasonic.co.jp/pavc/global/projector>

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